SEQUENCE LISTING

<110> Muir, Tom
Cotton, Graham
The Rockefeller University

<120> Multiple Sensor-Containing Polypeptides,
Methods of Preparation and Uses Thereof

<130> RU 453

<140> 09/483,543
<141> 2000-01-14

<160> 10

<170> FastSEQ for Windows Version 3.0

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<400> 1
Leu Glu Val Leu Phe Gln Gly Pro
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Glu Ala Ile Tyr Ala Ala Pro Phe Ala Lys Lys Lys
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aaaagaaaaa aaggcggccg ctcggatctg atcgaaggtc gttgtgcggg caacttcgac 60
tcgg 64

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gcaaactggc tcttccgcag ccgctgaagt cctcatcggg 40

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<223> Xa-Cys-(Crk-II)-Intein-CBD Construct

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Met Ala Ser Ser Arg Val Asp Gly Gly Arg Ser Asp Leu Ile Glu Gly
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Arg Cys

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<223> Cys-Fl-PS-Biotin Construct

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<223> Xaa = Lys-[Dapa(Fl)]

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Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln Gly Pro Val Arg Lys Gly
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Xaa Gly

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<223> High affinity ligand for the N-SH3 Domain of Crk

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Pro Pro Pro Ala Leu Pro Pro Lys Arg Arg Arg
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Tyr Trp Gly Arg Leu Ser Arg Gln Glu Ala Val Ala Leu Leu Gln Gly
            20                  25                  30
Gln Arg His Gly Val Phe Leu Val Arg Asp Ser Ser Thr Ser Pro Gly
        35                  40                  45
Asp Tyr Val Leu Ser Val Ser Glu Asn Ser Arg Val Ser His Tyr Ile
    50                  55                  60
Ile Asn Ser Ser Gly Pro Arg Pro Pro Val Pro Pro Ser Pro Ala Gln
65                  70                  75                  80
Pro Pro Pro Gly Val Ser Pro Ser Arg Leu Arg Ile Gly Asp Gln Glu
                85                  90                  95
Phe Asp Ser Leu Pro Ala Leu Leu Glu Phe Tyr Lys Ile His Tyr Leu
            100                 105                 110
Asp Thr Thr Thr Leu Ile Glu Pro Val Ala Arg Ser Arg Gln Gly Ser
        115                 120                 125
Gly Val Ile Leu Arg Gln Glu Glu Ala Glu Tyr Val Arg Ala Leu Phe
    130                 135                 140
Asp Phe Asn Gly Asn Asp Glu Glu Asp Leu Pro Phe Lys Lys Gly Asp
145                 150                 155                 160
Ile Leu Arg Ile Arg Asp Lys Pro Glu Glu Gln Trp Trp Asn Ala Glu
                165                 170                 175
Asp Ser Glu Gly Lys Arg Gly Met Ile Pro Val Pro Tyr Val Glu Lys
            180                 185                 190
Tyr Arg Pro Ala Ser Ala Ser Val Ser Ala Leu Ile Gly Gly Asn Gln
        195                 200                 205
Glu Gly Ser His Pro Gln Pro Leu Gly Gly Pro Glu Pro Gly Pro Tyr
    210                 215                 220
Ala Gln Pro Ser Val Asn Thr Pro Leu Pro Asn Leu Gln Asn Gly Pro
225                 230                 235                 240
Ile Tyr Ala Arg Val Ile Gln Lys Arg Val Pro Asn Ala Tyr Asp Lys
                245                 250                 255
Thr Ala Leu Ala Leu Glu Val Gly Glu Leu Val Lys Val Thr Lys Ile
            260                 265                 270
Asn Val Ser Gly Gln Trp Glu Gly Glu Cys Asn Gly Lys Arg Gly His
        275                 280                 285
Phe Pro Phe Thr His Val Arg Leu Leu Asp Gln Gln Asn Pro Asp Glu
    290                 295                 300
Asp Phe Ser Gly Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln
305                 310                 315
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 1               5                  10                  15
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            20                  25                  30
Gln Arg His Gly Val Phe Leu Val Arg Asp Ser Ser Thr Ser Pro Gly
        35                  40                  45
Asp Tyr Val Leu Ser Val Ser Glu Asn Ser Arg Val Ser His Tyr Ile
    50                  55                  60
Ile Asn Ser Ser Gly Pro Arg Pro Pro Val Pro Pro Ser Pro Ala Gln
65                  70                  75                  80
Pro Pro Pro Gly Val Ser Pro Ser Arg Leu Arg Ile Gly Asp Gln Glu
                85                  90                  95
Phe Asp Ser Leu Pro Ala Leu Leu Glu Phe Tyr Lys Ile His Tyr Leu
            100                 105                 110
Asp Thr Thr Thr Leu Ile Glu Pro Val Ala Arg Ser Arg Gln Gly Ser
        115                 120                 125
Gly Val Ile Leu Arg Gln Glu Glu Ala Glu Tyr Val Arg Ala Leu Phe
    130                 135                 140
Asp Phe Asn Gly Asn Asp Glu Glu Asp Leu Pro Phe Lys Lys Gly Asp
145                 150                 155                 160
Ile Leu Arg Ile Arg Asp Lys Pro Glu Glu Gln Trp Trp Asn Ala Glu
                165                 170                 175
Asp Ser Glu Gly Lys Arg Gly Met Ile Pro Val Pro Tyr Val Glu Lys
            180                 185                 190
Tyr Arg Pro Ala Ser Ala Ser Val Ser Ala Leu Ile Gly Gly Asn Gln
        195                 200                 205
Glu Gly Ser His Pro Gln Pro Leu Gly Gly Pro Glu Pro Gly Pro Tyr
    210                 215                 220
Ala Gln Pro Ser Val Asn Thr Pro Leu Pro Asn Leu Gln Asn Gly Pro
225                 230                 235                 240
Ile Tyr Ala Arg Val Ile Gln Lys Arg Val Pro Asn Ala Tyr Asp Lys
                245                 250                 255
Thr Ala Leu Ala Leu Glu Val Gly Glu Leu Val Lys Val Thr Lys Ile
            260                 265                 270
Asn Val Ser Gly Gln Trp Glu Gly Glu Cys Asn Gly Lys Arg Gly His
        275                 280                 285
Phe Pro Phe Thr His Val Arg Leu Leu Asp Gln Gln Asn Pro Asp Glu
    290                 295                 300
Asp Phe Ser Gly Cys Gly Xaa Gly Leu Glu Val Leu Phe Gln Gly Pro
305                 310                 315                 320
Val Arg Lys Gly Xaa Gly
                325
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<220>
<223> Site for Sequential Ligation

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Ile Glu Gly Arg Xaa
1 5